

IN THE CLAIMS

Please amend the claims as follows:

Claim 1-25 (Cancelled):

Claim 26 (Currently Amended): The method according to claim ~~[[25]]~~ 68, wherein the extracting step further comprises extracting a service identification and a service name of at least one of said additional services.

Claim 27 (Currently Amended): The method according to claim ~~[[25]]~~ 68, wherein the extracting step further comprises extracting time information including transmission times of at least one of said additional services.

Claim 28 (Currently Amended). The method according to claim ~~[[25]]~~ 68, wherein the extracting step further comprises extracting service channel information of at least one additional service showing which service channel will be used when transmitting a corresponding additional service from a corresponding service provider via said service channel to said receiving device, respectively.

Claim 29 (Previously Presented): The method according to claim 28, wherein the accessing step further comprises connecting said receiving device to at least one of said service channels according to said service channel information and said time information.

Claim 30 (Cancelled).

Claim 31 (Currently Amended): The method according to claim ~~[[25]]~~ 68, further comprising:

managing the time order of different accessing processes, when said additional services assigned thereto are transmitted at the same time to said receiving device, respectively,

wherein said managing process is performed according to said stored service information or said latest extracted service information.

Claim 32 (Currently Amended): The method according to claim [[25]] 68, further comprising subscribing to a service list containing entries representing available additional services of respective service providers,

wherein said process of subscribing changes said stored service information.

Claim 33 (Currently Amended): The method according to claim [[25]] 68, wherein, when the receiving device is in its activated state, only accessing additional services that are transmitted over service channels used by said main services presently received or that have a specific priority level.

Claim 34 (Previously Presented): The method according to claim 32, further comprising the step of eliminating subscribed services in said service list which have no specific priority level when the power resources of said receiving device fall below a predetermined limit.

Claim 35 (Currently Amended): The method according to claim [[25]] 68, further comprising the step of monitoring all additional services provided by a corresponding service provider during the time in which said receiving device receives a main service from said corresponding service provider.

Claim 36 (Currently Amended): The method according to claim [[25]] 68, further comprising the step of storing service data extracted from said at least one additional service, after having accessed them in the accessing step, in said receiving device, such that said stored service data are accessible.

Claim 37 (Cancelled):

Claim 38 (Currently Amended): The method according to claim [[37]] 69, wherein the extracting step further comprises extracting a service ID and a service name of at least one of said additional services to enable said receiving device to distinguish between different services.

Claim 39 (Currently Amended): The method according to claim ~~[[37]]~~ 69, wherein the extracting step further comprises extracting time information including transmission times of at least one of said additional services.

Claim 40 (Currently Amended): The method according to claim ~~[[37]]~~ 69, wherein the extracting step further comprises extracting service channel information of at least one additional service showing which service channel will be used when transmitting a corresponding additional service provider via said service channel to said receiving device, respectively.

Claim 41 (Previously Presented): The method according to claim 40, wherein the accessing step further comprises connecting said device to at least one of said service channels according to said service channel information and said time information.

Claim 42 (Currently Amended): The method according to claim ~~[[37]]~~ 69, further comprising the step of storing said extracted service information in said receiving device.

Claim 43 (Previously Presented): The method according to claim 42, further comprising the step of updating said stored service information each time the extracting step is executed.

Claim 44 (Currently Amended): The method according to claim ~~[[37]]~~ 69, further comprising the step of managing the time order of different accessing processes, when said additional services assigned thereto are transmitted at the same time to said receiving device, respectively, said managing process being done according to said stored service information or said latest extracted service information.

Claim 45 (Previously Presented): The method according to claim 42, further comprising the step of subscribing to a service list containing entries representing available additional services of respective service providers, said process of subscribing changing said stored service information.

Claim 46 (Currently Amended): The method according to claim ~~[[37]]~~ 69, further comprising the step of accessing additional services that are transmitted over service channels used by said main services presently received or that have a specific priority level, when the receiving device is in an activated state.

Claim 47 (Previously Presented): The method according to claim 45, further comprising the step of eliminating subscribed services in said service list which do not have a specific priority level when the power resources of said receiving device fall below a predetermined limit.

Claim 48 (Currently Amended): The method according to claim ~~[[37]]~~ 69, further comprising the step of monitoring all additional services provided by a corresponding service provider during the time in which said receiving device receives a main service from said corresponding service provider.

Claim 49 (Currently Amended): The method according to claim ~~[[37]]~~ 69, further comprising the step of storing service data extracted from said at least one additional service after having accessed them in the accessing step in said receiving device, said stored service data being accessible.

Claim 50 (Cancelled):

Claim 51 (Currently Amended): The method according to claim ~~[[50]]~~ 70, wherein the extracting step further comprises extracting a service identification and a service name of at least one of said additional services.

Claim 52 (Currently Amended): The method according to claim ~~[[50]]~~ 70, wherein the extracting step further comprises extracting time information including transmission times of at least one of said additional services.

Claim 53 (Currently Amended): The method according to claim ~~[[50]]~~ 70, wherein the extracting step further comprises extracting service channel information of at least one

additional service showing which service channel will be used when transmitting a corresponding additional service from a corresponding service provider via said service channel to said receiving device, respectively.

Claim 54 (Previously Presented): The method according to claim 53, wherein the accessing step further comprises connecting said receiving device to at least one of said service channels according to said service channel information and said time information.

Claim 55 (Currently Amended): The method according to claim ~~[[50]]~~ 70, further comprising the step of storing said extracted service information in said receiving device.

Claim 56 (Previously Presented): The method according to claim 55, further comprising the step of updating said stored service information each time the extracting step is executed.

Claim 57 (Cancelled).

Claim 58 (Currently Amended): The method according to claim ~~[[50]]~~ 70, further comprising the step of:

managing the time order of different accessing processes, when said additional services assigned thereto are transmitted at the same time to said receiving device, respectively,

wherein said managing process is performed according to said stored service information or said latest extracted service information.

Claim 59 (Previously Presented): The method according to claim 55, further comprising the step of subscribing to a service list containing entries representing available additional services of respective service providers,

wherein said process of subscribing changes said stored service information.

Claim 60 (Previously Presented): The method according to claim 59, further comprising the step of eliminating subscribed services in said service list which do not have a

specific priority level when the power resources of said receiving device fall below a predetermined limit.

Claim 61 (Currently Amended): The method according to claim ~~[[50]]~~ 70, further comprising the step of monitoring all additional services provided by a corresponding service provider during the time in which said receiving device receives a main service from said corresponding service provider.

Claim 62 (Currently Amended): The method according to claim ~~[[50]]~~ 70, further comprising the step of storing service data extracted from said at least one additional service following the accessing step.

Claim 63 (Cancelled):

Claim 64 (Currently Amended): The broadcast signal according the claim ~~[[63]]~~ 71, further comprising service channel information about each of said at least one additional service showing which service channel will be used when transmitting said respective additional service from a service provider via said service channel to said receiving device, respectively.

Claim 65 (Currently Amended): The broadcast signal according the claim ~~[[63]]~~ 71, further comprising at least one of a service ID or a service name to enable said receiving device to distinguish between different services or priority information of at least one service indicating which of several additional services has the highest priority in case said additional services are transmitted at the same time.

Claim 66 (Cancelled):

Claim 67 (Currently Amended): The apparatus according the claim ~~[[66]]~~ 72, further comprising a conditional access means to decrypt an encrypted service to permit access.

Claim 68 (New) A method for accessing one or more additional services temporarily included within a main service provided by a service provider over a service channel by

means of a uni-directional transmission between said service provider and a receiving device configured to be connected to said service provider, whereby said uni-directional transmission is performed by a broadcast signal directed from said service provider to said receiving device and whereby said service channel comprises said main service, said one or more additional services, and service information indicating how to access said at least one additional service in said service channel, said methods comprising the steps of:

extracting, from said service channel presently received by said receiving device, service information about at least one of said additional services comprised in said service channel;

accessing said at least one of said additional services about which service information was extracted from said service channel;

storing said extracted service information in said receiving device;

updating said stored service information each time the extracting step is executed;

activating said receiving device, or necessary parts thereof, configured to receive the service channel during time intervals in which one or more additional services are sent from the service provider to said receiving device; and

returning said receiving device or said parts thereof to a pre-activation state during the remainder of the time,

wherein said processes of activating and returning are carried out on the basis of said stored service information or said latest service information extracted from said service channel.

Claim 69 (New) A method for accessing one or more additional services temporarily included within a main service provided by a service provider over a service channel by means of a uni-directional transmission between said service provider and a receiving device configured to be connected to said service provider, whereby said uni-directional

transmission is performed by a broadcast signal directed from said service provider to said receiving device and whereby said service channel comprises said main service, said one of more additional services, and service information indicating how to access said at least one additional service in said service channel, said method comprising the steps of:

extracting, from said service channel broadcasted by said service provider and presently received by said receiving device, said service information about at least one of said additional services;

accessing at least one of said additional services about which service information was extracted from said service channel;

activating said receiving device or necessary parts thereof configured to receive said service channel during time intervals in which an additional service is transmitted from the corresponding service provider to said receiving device; and

returning said receiving device or said parts thereof to a pre-activation state before activation during the remainder of the time,

wherein said processes of activating and returning are performed on the basis of stored service information or latest service information extracted from said service channel.

Claim 70 (New) A method for accessing one of more additional services temporarily included within a main service provided by a service provider over a service channel by means of a uni-directional transmission between said service provider and a receiving device configured to be connected to said service provider, whereby said uni-directional transmission is performed by a broadcast signal directed from said service provider to said receiving device and whereby said service channel comprises said main service, said one or more additional services, and service information indicating how to access said at least one additional service in said service channel, said method comprising the steps of:



extracting, from said service channel broadcasted by said service provider and presently received by said receiving device, service information about at least one of said additional services;

accessing at least one of said additional services about which service information was extracted from said service channel;

when the receiving device is in its activated state, only accessing additional services that are transmitted over service channels used by said main services presently received or that have specific priority level;

activating said receiving device or necessary parts thereof for receiving a service channel during time intervals in which an additional service is transmitted from the service provider to said receiving device; and

returning said receiving device or said parts thereof to a pre-activation state during the remainder of the time,

wherein said processes of activating and returning are performed on the basis of stored information or latest service information extracted from said service channel.

Claim 71 (New) A broadcast signal transmitted configured and adapted for a uni-directional transmission of a service channel between a service provider and a receiving device, whereby said uni-directional transmission is performed by said broadcast signal directed from said service provider to said receiving device and whereby said service channel provides said receiving device with a main service, the broadcast signal comprising:

service information comprised in said service channel about said at least one additional service provided by said service provider indicating how to access at least one additional service, whereby said service information, said main service, and said additional service are comprised in said service channel; and

time information regarding transmission times of said at least one additional service,

wherein said time information is structured so that it comprises at least one relative time to a full hour when said corresponding additional service is transmitted every hour, or at least one offset to the time of the beginning of the day plus at least one repetition rate of said additional service.

Claim 72 (New) An apparatus for accessing at least one additional service provided by a least one service provider in a respective service channel uni-directionally transmitted between said service provider and a receiving device configured to be connected to said service provider, whereby said uni-directional transmission is performed by a broadcast signal directed from said respective service channel comprises said at least one additional service, a representative main channel, and service information indicating how to access said one or more additional services in said service channel, said apparatus comprising;

receiving means, connectable via at least one service channel to said at least one service provider, for receiving and extracting at least one additional service from a service channel broadcasted by said at least one service provider;

a user interface configured to inform a user and for controlling said apparatus by said user; and;

a processing unit connected to said receiving means and to said user interface, the processing unit comprising,

a scheduler means, connected to said processing unit, for controlling said process of accessing said at least one additional service,

a service information memory means for storing service information needed by said scheduler means to control said apparatus, and

a service memory means connected to said processing unit ring service data extracted by said receiving means from said at least one additional service according to said service information;

wherein said scheduler means comprises wake-up control means, connected to said receiving means and said processing unit, for activating said receiving means and said processing unit or necessary parts thereof for receiving a service channel during time intervals in which an additional service is transmitted from the corresponding service provider to said receiving device, returning said receiving device or said parts thereof to a pre-activation state during the remainder of the time, said processes of activating and returning being carried out on the basis of said stored service information or latest service information extracted from said service channel.